

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	153	702/1.CCLS.	USPAT	OR	ON	2010/01/29 09:18
L3	872	703/1.CCLS.	USPAT	OR	ON	2010/01/29 09:19
L10	10	L2 and(rim adj bed or rim adj body or circular adj disc or radial adj spokes or annular adj spoke or spoke adj structure or central adj bore or rounding or bore)	USPAT	OR	ON	2010/01/29 09:26
L12	0	L10 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)and shell	USPAT	OR	ON	2010/01/29 09:27
L13	0	L10 and technical and realization	USPAT	OR	ON	2010/01/29 09:29
L14	0	L10 and(lightweight adj rim or wheel adj rim or spoke)and inner adj rim adj body	USPAT	OR	ON	2010/01/29 09:30
L15	0	L10 and spoke adj structure	USPAT	OR	ON	2010/01/29 09:31
L16	0	L10 and annular adj spokes	USPAT	OR	ON	2010/01/29 09:31
L17	0	L10 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)and collect\$3 adj data and (lightweight adj rim or wheel adj rim or light adj weight or spokes)and(vehicle or automotive)	USPAT	OR	ON	2010/01/29 09:32
L18	0	L10 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)and (lightweight adj rim or wheel adj rim or light adj weight or spokes)and structure	USPAT	OR	ON	2010/01/29 09:33
L19	2	L10 and(scaling or copying or combining or optimizing)	USPAT	OR	ON	2010/01/29 09:34
L20	0	L10 and(CAD or SEM or arachnoidiscus or FEM or finite adj element adj method)and (model\$1 or prototype or template)	USPAT	OR	ON	2010/01/29 09:35
L21	0	L10 and preselection and (diatoms or radiolaria or arachnoidiscus)	USPAT	OR	ON	2010/01/29 09:35

L22	6	L10 and(@ad<"20031130" or @rlad<"20031130" or @prad<"20031130" or @ptad<"20031130")	USPAT	OR	ON	2010/01/29 09:37
L24	0	L10 and shell adj structural	USPAT	OR	ON	2010/01/29 09:41
L25	56	L3 and(rim adj bed or rim adj body or circular adj disc or radial adj spokes or annular adj spoke or spoke adj structure or central adj bore or rounding or bore)	USPAT	OR	ON	2010/01/29 09:41
L26	0	L25 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)and shell	USPAT	OR	ON	2010/01/29 09:42
L27	0	L25 and shell adj structural	USPAT	OR	ON	2010/01/29 09:42
L28	0	L25 and(lightweight adj rim or wheel adj rim or spoke)and inner adj rim adj body	USPAT	OR	ON	2010/01/29 09:42
L29	28	L25 and(CAD or SEM or arachnoidiscus or FEM or finite adj element adj method)and (model\$1 or prototype or template)	USPAT	OR	ON	2010/01/29 09:43
L30	0	L29 and preselection and (diatoms or radiolaria or arachnoidiscus)	USPAT	OR	ON	2010/01/29 09:43
L31	0	L29 and shell adj structural	USPAT	OR	ON	2010/01/29 09:43
L32	0	L29 and(prepar\$3 or obtaining) and parameter and(bio adj mineralized adj unicellular adj organisms)	USPAT	OR	ON	2010/01/29 09:44
L33	0	L29 and annular adj spokes	USPAT	OR	ON	2010/01/29 09:44
L34	11	L29 and(scaling or copying or combining or optimizing)	USPAT	OR	ON	2010/01/29 09:45
L35	10	L34 and @ad<"20031130"	USPAT	OR	ON	2010/01/29 09:46
L36	0	L29 and(diatoms or radiolaria or arachnoidiscus)	USPAT	OR	ON	2010/01/29 09:47
L37	0	L35 and collect\$3 adj data and (lightweight adj rim or wheel adj rim or light adj weight or spokes)and(vehicle or automotive)	USPAT	OR	ON	2010/01/29 09:48
L38	2	L35 and shell and structure	USPAT	OR	ON	2010/01/29 09:52
L40	2	L38 and(scaling or copying or combining or optimizing)	USPAT	OR	ON	2010/01/29 10:03

L41	0	L40 and(prepar\$3 or obtaining) and parameter and(bio adj mineralized adj unicellular adj organisms)	USPAT	OR	ON	2010/01/29 10:04
L42	0	L40 and(prepar\$3 or obtaining) and parameter and structure	USPAT	OR	ON	2010/01/29 10:05
L43	0	L40 and structural and prototype adj data and (lightweight adj rim or wheel adj rim or radial)	USPAT	OR	ON	2010/01/29 10:06
L44	0	L40 and(bio adj mineralized adj unicellular adj organisms)	USPAT	OR	ON	2010/01/29 10:22
L45	0	L40 and natural adj shell	USPAT	OR	ON	2010/01/29 10:22
L46	2	L40 and shell	USPAT	OR	ON	2010/01/29 10:22
L47	0	L40 and (selecting or selecting) and fine adj sturctures and (preselecting or pre adj selecting)and shell adj architectures and parameters	USPAT	OR	ON	2010/01/29 10:26
L48	0	L40 and (selecting or selecting) and fine adj sturctures and (preselecting or pre adj selecting)adj shell and realization	USPAT	OR	ON	2010/01/29 10:26
L49	0	L40 and copying and structural adj data and (selecting or selecting)and fine adj sturctures	USPAT	OR	ON	2010/01/29 10:28
L50	0	L40 and(scaled or scaling or copying or combining or optimizing or adapting)and structural adj data and set adj prototype	USPAT	OR	ON	2010/01/29 10:34
L51	0	L46 and(scaled or scaling or copying or combining or optimizing or adapting)and structural adj data and set adj prototype	USPAT	OR	ON	2010/01/29 10:34
L52	2	L40 and shell	USPAT	OR	ON	2010/01/29 11:07
L53	626	700/182.CCLS.	USPAT	OR	ON	2010/01/29 11:08
L54	59	L53 and(rim adj bed or rim adj body or circular adj disc or radial adj spokes or annular adj spoke or spoke adj structure or central adj bore or rounding or bore)	USPAT	OR	ON	2010/01/29 11:08
L55	0	L54 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)and shell	USPAT	OR	ON	2010/01/29 11:09

L56	0	L54 and(lightweight adj rim or wheel adj rim or spoke)and inner adj rim adj body	USPAT	OR	ON	2010/01/29 11:10
L57	0	L54 and spoke adj structure	USPAT	OR	ON	2010/01/29 11:11
L58	0	L54 and annular adj spokes	USPAT	OR	ON	2010/01/29 11:11
L59	43	L54 and(CAD or SEM or arachnoidiscus or FEM or finite adj element adj method)and (model\$1 or prototype or template)	USPAT	OR	ON	2010/01/29 11:12
L60	0	L59 and preselection and (diatoms or radiolaria or arachnoidiscus)	USPAT	OR	ON	2010/01/29 11:12
L61	5	L59 and shell and structure	USPAT	OR	ON	2010/01/29 11:13
L62	0	L61 and(scaled or scaling or copying or combining or optimizing or adapting)and structural adj data and set adj prototype	USPAT	OR	ON	2010/01/29 11:14
L63	0	L61 and (selecting or selecting) and fine adj sturctures and (preselecting or pre adj selecting)and shell adj architectures and parameters	USPAT	OR	ON	2010/01/29 11:14
L64	0	L61 and copying and structural adj data and (selecting or selecting)and fine adj sturctures	USPAT	OR	ON	2010/01/29 11:15
L65	5	L61 and(@ad<"20031130" or @rlad<"20031130" or @prad<"20031130" or @ptad<"20031130")	USPAT	OR	ON	2010/01/29 11:16
L67	0	L65 and(lightweight adj rim or wheel adj rim or spoke)and inner adj rim adj body	USPAT	OR	ON	2010/01/29 11:19
L68	0	L65 and spoke adj structure	USPAT	OR	ON	2010/01/29 11:19
L69	0	L65 and(vehicle or automotive) and(rim or wheel adj rim)and innner adj rim adj body	USPAT	OR	ON	2010/01/29 11:20
L70	0	L65 and(vehicle or automotive)	USPAT	OR	ON	2010/01/29 11:20
L71	2	L65 and(FEM or finite adj element adj method)and(model \$1 or prototype or template)	USPAT	OR	ON	2010/01/29 11:22
L72	0	L71 and(diatoms or radiolaria or arachnoidiscus)	USPAT	OR	ON	2010/01/29 11:24

L73	0	L71 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)and (lightweight adj rim or wheel adj rim or light adj weight or spokes)	USPAT	OR	ON	2010/01/29 11:25
L74	2743	382/100,141.ccls.	USPAT	OR	ON	2010/01/29 11:33
L75	117	L74 and(rim adj bed or rim adj body or circular adj disc or radial adj spokes or annular adj spoke or spoke adj structure or central adj bore or rounding or bore)	USPAT	OR	ON	2010/01/29 11:34
L76	0	L75 and(vehicle or automotive) and(rim or wheel adj rim)and innner adj rim adj body	USPAT	OR	ON	2010/01/29 11:34
L77	0	L75 and(lightweight adj rim or wheel adj rim or spoke)and inner adj rim adj body	USPAT	OR	ON	2010/01/29 11:34
L78	0	L75 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)and shell	USPAT	OR	ON	2010/01/29 11:35
L79	8	L75 and(CAD or SEM or arachnoidiscus or FEM or finite adj element adj method)and (model\$1 or prototype or template)	USPAT	OR	ON	2010/01/29 11:35
L80	0	L75 and(FEM or finite adj element adj method)and(model \$1 or prototype or template)	USPAT	OR	ON	2010/01/29 11:36
L81	0	L79 and(diatoms or radiolaria or arachnoidiscus)	USPAT	OR	ON	2010/01/29 11:37
L82	0	L79 and structural and prototype adj data and (lightweight adj rim or wheel adj rim or radial)	USPAT	OR	ON	2010/01/29 11:37
L83	0	L79 and(selecting or selecting) and fine adj sturctures and (preselecting or pre adj selecting)and shell adj architectures and parameters	USPAT	OR	ON	2010/01/29 11:38
L84	0	L79 and copying and structural adj data and (selecting or selecting)and fine adj sturctures	USPAT	OR	ON	2010/01/29 11:39
L85	0	L79 and(scaled or scaling or copying or combining or optimizing or adapting)and structural adj data and set adj prototype	USPAT	OR	ON	2010/01/29 11:40
L86	4	L79 and @ad<"20031130"	USPAT	OR	ON	2010/01/29 11:40

S1	56	lightweight adj rim	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 10:51
S2	0	S1 and diatoms and microstructure	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 10:52
S3	2	S1 and diatoms	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 10:52
S4	1	S1 and automotive adj vehicle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:00
S5	51610	automotive adj vehicle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:01
S6	1	S5 and lightweight adj rim	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:02
S7	528	S5 and(lightweight adj rim or wheel adj rim)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:03
S8	0	S7 and(lightweight adj rim or wheel adj rim)and inner adj rim adj body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:05
S9	0	S7 and(rim or wheel adj rim) and inner adj rim adj body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:05
S10	0	(vehicle or automotive)and(rim or wheel adj rim)and inner adj rim adj body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:06
S11	0	(vehicle or automotive)and(rim or wheel adj rim)and inner adj rim	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:07

S12	1	S7 and(lightweight adj rim or wheel adj rim)and inner adj rim adj body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:07
S13	1	S7 and(lightweight adj rim or wheel adj rim or spoke)and inner adj rim adj body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:08
S14	1	(plurality or plural\$1)and(rib adj structuregth or wheel adj rim or spoke)and inner adj rim adj body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:11
S15	1	(plurality or plural\$1)and(rib adj structur or wheel adj rim or spoke)and inner adj rim adj body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:12
S16	131	annular adj spokes	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:13
S17	109	S16 and(@ad<"20031130" or @rlad<"20031130" or @prad<"20031130" or @ptad<"20031130")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:21
S18	102	S17 and @ad<"20031130"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:21
S19	2	S18 and spoke adj structure	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:23
S20	2	S19 and @ad<"20031130"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:23
S21	2	S17 and spoke adj structure	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:35
S22	3	S7 and inner same rim adj body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:36

S23	3	S7 and inner and rim adj body	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:36
S24	102	((("20070112522") or ("5434962") or ("6155450") or ("5564381") or ("5355474") or ("4609912") or ("4772632") or ("5284774") or ("5434952") or ("5557503") or ("6087228") or ("6178805") or ("5616376") or ("4380569") or ("4493203") or ("4522390") or ("4604844") or ("4791965") or ("4825578") or ("4941767") or ("5187826") or ("5199530") or ("5214572") or ("5560137") or ("5634483") or ("5771992") or ("5857732") or ("5955013") or ("5966896") or ("5966894") or ("6116644") or ("6135017") or ("6194790") or ("5981094") or ("5999010") or ("4027004") or ("4294661") or ("4385957") or ("4526312") or ("4544901") or ("4600852") or ("4604706") or ("4763902") or ("4849668") or ("4902787") or ("4988919") or ("5206951") or ("5207371") or ("5226161") or ("5256990") or (").pn.")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/03/19 11:38
S25	1	S5 and S24	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:38
S26	0	automobile adj wheel and inner adj rim and mounted adj axle and outer adj rim	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:42
S27	0	automobile adj wheel and inner adj rim and mounted adj axle and outer adj rim	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:42
S28	1	S24 and automotive adj vehicle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:43
S29	1	S28 and rib adj like and radial adj spokes	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:44



S30	1	structural and prototype adj data and(lightweight adj rim or wheel adj rim)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:47
S31	1	structural adj data and (lightweight adj rim or wheel adj rim)and(vehicle or automotive)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:48
S32	59	collect\$3 adj data and (lightweight adj rim or wheel adj rim)and(vehicle or automotive)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:49
S33	0	S32 and automobile adj wheel and(inner or outer)adj rim and mounted adj axle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:50
S34	0	S32 and (inner or outer)adj rim and mounted adj axle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:50
S35	0	S32 and (inner or outer)adj rim adj body and mounted adj axle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:51
S36	0	S32 and vechicle and inner adj rim	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:51
S37	1	S32 and collect\$3 adj data and diatoms and(lightweight adj rim or wheel adj rim)and(vehicle or automotive)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:53
S38	6	S32 and collect\$3 adj data and (diatoms or microstructure)and (lightweight adj rim or wheel adj rim)and(vehicle or automotive)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:54
S39	0	S38 and @ad<"20031130"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:54
S40	5	S38 and(@ad<"20031130" or @rlad<"20031130" or @prad<"20031130" or @ptad<"20031130")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:54

S41	0	S32 and mounted adj axle	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 11:59
S42	1	S32 and rim adj body and spoke adj structure	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 12:01
S43	1	S38 and rim adj body and spoke adj structure	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/03/19 12:02
S44	1	((CHRISTIAN) near2 (HAMM-DUBISCHAR)).INV.	US-PGPUB; USPAT	OR	ON	2009/03/19 12:10
S45	1	(automotive and vehicle and inner adj rim adj body and outer adj rim and spoke adj structure and determining and structural adj data and prototype and lightweight and radial adj spokes and width and annular adj spokes).CLM.	US-PGPUB	OR	ON	2009/03/19 12:14
S46	113643	(lightweight adj rim or wheel adj rim or light adj weight)and structure	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:28
S48	380	S46 and collect\$3 adj data and (lightweight adj rim or wheel adj rim or light adj weight or spokes)and(vehicle or automotive)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:31
S49	13	S48 and(CAD or SEM or arachnoidiscus or FEM or finite adj element adj method)and (model\$1 or prototype or template)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:35
S50	1	S49 and(prepar\$3 or obtaining) and parameter and (bio adj mineralized adj unicellular adj organisms)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:39
S51	0	S50 and(@ad<"20031130" or @riad<"20031130" or @prad<"20031130" or @ptad<"20031130")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:39
S52	1	(bio adj mineralized adj unicellular adj organisms)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:40

S53	1	bio adj mineralized adj unicellular adj organisms	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:41
S54	113	(bio adj mineralized adj unicellular adj organisms or shell adj architectures)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:42
S55	1	(bio adj mineralized adj unicellular adj organisms or shell adj architectures)and collect\$3 adj data and (lightweight adj rim or wheel adj rim or light adj weight or spokes)and(vehicle or automotive)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:43
S56	1	(bio adj mineralized adj unicellular adj organisms or shell adj architectures)and (lightweight adj rim or wheel adj rim or light adj weight or spokes)and(vehicle or automotive)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:43
S57	3	(bio adj mineralized adj unicellular adj organisms or shell adj architectures)and (lightweight adj rim or wheel adj rim or light adj weight or spokes)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:43
S58	2	S54 and preselection and (diatoms or radiolaria or arachnoidiscus)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:47
S59	0	S58 and(@ad<"20031130" or @rlad<"20031130" or @prad<"20031130" or @ptad<"20031130")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:47
S60	2	S54 and(diatoms or radiolaria or arachnoidiscus)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:48
S61	4	preselect\$3 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:48
S62	1	S61 and(@ad<"20031130" or @rlad<"20031130" or @prad<"20031130" or @ptad<"20031130")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:48

S63	1	S61 and @ad<"20031130"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:49
S64	0	S63 and(lightweight adj rim or wheel adj rim or light adj weight or spokes)and(vehicle or automotive)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:51
S65	0	S63 and(lightweight adj rim or wheel adj rim or light adj weight or spokes)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 10:51
S66	102	((("20070112522") or ("5434962") or ("6155450") or ("5564381") or ("5355474") or ("4609912") or ("4772632") or ("5284774") or ("5434952") or ("5557503") or ("6087228") or ("6178805") or ("5616376") or ("4380569") or ("4493203") or ("4522390") or ("4604844") or ("4791965") or ("4825578") or ("4941767") or ("5187826") or ("5199530") or ("5214572") or ("5560137") or ("5634483") or ("5771992") or ("5857732") or ("5955013") or ("5966896") or ("5966894") or ("6116644") or ("6135017") or ("6194790") or ("5981094") or ("5999010") or ("4027004") or ("4294661") or ("4385957") or ("4526312") or ("4544901") or ("4600852") or ("4604706") or ("4763902") or ("4849668") or ("4902787") or ("4988919") or ("5206951") or ("5207371") or ("5226161") or ("5256990") or ("").pn.)).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/07/23 11:02
S67	100	S66 and(@ad<"20031130" or @rlad<"20031130" or @prad<"20031130" or @ptad<"20031130")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:03
S68	0	S67 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:03
S69	0	S67 and(diatoms or radiolaria or arachnoidiscus)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:03

S70	0	S67 and collect\$3 adj data and (lightweight adj rim or wheel adj rim or light adj weight or spokes)and(vehicle or automotive)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:04
S71	1	S66 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)and (lightweight adj rim or wheel adj rim or light adj weight or spokes)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:05
S72	1	S66 and rim adj body and spoke adj structure	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:06
S73	847	403/169,170,171.CCLS.	USPAT	OR	ON	2009/07/23 11:07
S74	0	S73 and rim adj body and spoke adj structure	USPAT	OR	ON	2009/07/23 11:08
S75	0	S73 and collect\$3 adj data and (lightweight adj rim or wheel adj rim or light adj weight or spokes)and(vehicle or automotive)	USPAT	OR	ON	2009/07/23 11:08
S76	0	S73 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)	USPAT	OR	ON	2009/07/23 11:09
S77	0	S73 and preselection and (diatoms or radiolaria or arachnoidiscus)	USPAT	OR	ON	2009/07/23 11:10
S78	3171	264/255,250,241.ccls.	USPAT	OR	ON	2009/07/23 11:11
S79	0	S78 and rim adj body and spoke adj structure	USPAT	OR	ON	2009/07/23 11:11
S80	0	S78 and collect\$3 adj data and (lightweight adj rim or wheel adj rim or light adj weight or spokes)and(vehicle or automotive)	USPAT	OR	ON	2009/07/23 11:11
S81	0	S78 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)	USPAT	OR	ON	2009/07/23 11:12
S82	0	S78 and preselection and (diatoms or radiolaria or arachnoidiscus)	USPAT	OR	ON	2009/07/23 11:12
S83	2210	333/208,24R,202,208.ccls.	USPAT	OR	ON	2009/07/23 11:13
S84	0	S83 and rim adj body and spoke adj structure	USPAT	OR	ON	2009/07/23 11:13

S85	0	S83 and collect\$3 adj data and (lightweight adj rim or wheel adj rim or light adj weight or spokes)and(vehicle or automotive)	USPAT	OR	ON	2009/07/23 11:13
S86	0	S83 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)	USPAT	OR	ON	2009/07/23 11:13
S87	0	S83 and preselection and (diatoms or radiolaria or arachnoidiscus)	USPAT	OR	ON	2009/07/23 11:14
S88	3	(bio adj mineralized adj unicellular adj organisms or shell adj architectures)and (lightweight adj rim or wheel adj rim or light adj weight or spokes)and structure	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:26
S89	0	S88 and(@ad<"20031130" or @rlad<"20031130" or @prad<"20031130" or @ptad<"20031130")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:27
S90	3337	S46 and(rim adj bed or rim adj body or circular adj disc or radial adj spokes or annular adj spoke or spoke adj structure or central adj bore or rounding or bore3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:32
S91	124	S90 and(CAD or SEM or arachnoidiscus or FEM or finite adj element adj method)and (model\$1 or prototype or template)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:32
S92	1	S91 and(CAD or SEM or arachnoidiscus or FEM or finite adj element adj method)and (model\$1 or prototype or template)and(diatoms or radiolaria or arachnoidiscus)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:33
S93	124	S91 and(CAD or SEM or arachnoidiscus or FEM or finite adj element adj method or model\$1 or prototype or template)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:34
S94	0	S93 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)	USPAT	OR	ON	2009/07/23 11:35
S95	1	S93 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:35

S96	34	S93 and(scaling or copying or combining or optimizing)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:37
S97	11	S96 and(@ad<"20031130" or @rlad<"20031130" or @prad<"20031130" or @ptad<"20031130")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:37
S98	9	S96 and @ad<"20031130"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:37
S99	157	S73 and(rim adj bed or rim adj body or circular adj disc or radial adj spokes or annular adj spoke or spoke adj structure or central adj bore or rounding or bore)	USPAT	OR	ON	2009/07/23 11:48
S100	1	S99 and(CAD or SEM or arachnoidiscus or FEM or finite adj element adj method)and (model\$1 or prototype or template)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:48
S101	0	S99 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:49
S102	7	S99 and(scaling or copying or combining or optimizing)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:50
S103	252	S78 and(rim adj bed or rim adj body or circular adj disc or radial adj spokes or annular adj spoke or spoke adj structure or central adj bore or rounding or bore)	USPAT	OR	ON	2009/07/23 11:52
S104	2	S103 and(CAD or SEM or arachnoidiscus or FEM or finite adj element adj method)and (model\$1 or prototype or template)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:52
S105	0	S104 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:52

S106	2	S104 and(scaling or copying or combining or optimizing)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:52
S107	2	S106 and @ad<"20031130"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:53
S108	0	S104 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures or shell)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:54
S109	3337	S90 and(rim adj bed or rim adj body or circular adj disc or radial adj spokes or annular adj spoke or spoke adj structure or central adj bore or rounding or bore)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:57
S110	2	S103 and(CAD or SEM or arachnoidiscus or FEM or finite adj element adj method)and (model\$1 or prototype or template)and stereolithography	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:57
S111	6	S109 and(CAD or SEM or arachnoidiscus or FEM or finite adj element adj method)and (model\$1 or prototype or template)and stereolithography	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:57
S112	6	S111 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures oe shell)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:58
S113	4	S112 and(scaling or copying or combining or optimizing)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:58
S114	0	S113 and @ad<"20031130"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 11:58
S115	4	S113 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures or shell)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 12:00
S116	0	S113 and bio adj mineralized adj unicellular adj organisms	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 12:00



S117	4	S66 and(rim adj bed or rim adj body or circular adj disc or radial adj spokes or annular adj spoke or spoke adj structure or central adj bore or rounding or bore)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/23 12:02
S118	1	(automotive and vehicle and inner adj rim adj body and outer adj rim and spoke adj structure and determining and structural adj data and prototype and lightweight and radial adj spokes and width and annular adj spokes).CLM.	US-PGPUB	OR	ON	2009/07/23 12:05
S119	0	(detect\$3 or determining)and structural adj data and (lightweight adj rim or wheel adj rim or light adj weight)and parameters	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 14:32
S120	2112	automotive adj vehicle and (lightweight adj rim or wheel adj rim or light adj weight)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 14:34
S121	1	collect\$3 adj data and (lightweight adj rim or wheel adj rim)and(vehicle or automotive)and spoke adj structure	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 14:39
S122	1	(lightweight adj rim or wheel adj rim or light adj weight)and structure and(prepar\$3 or obtaining or preselect\$3)and parameter and(bio adj mineralized adj unicellular adj organisms)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 14:41
S123	118823	(lightweight adj rim or wheel adj rim or light adj weight)and structure	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 14:42
S124	395	S123 and collect\$3 adj data and (lightweight adj rim or wheel adj rim or light adj weight or spokes)and(vehicle or automotive)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 14:42
S125	1	S124 and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)and (lightweight adj rim or wheel adj rim or light adj weight or spokes)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 14:43

S126	268	S124 and(CAD or SEM or arachnoidiscus or FEM or finite adj element adj method or software)and(model\$1 or prototype or template)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 14:49
S127	186	S126 and(scaling or copying or combining or optimizing)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 14:51
S128	0	S127 and(preselecting or selecting)and (bio adj mineralized adj unicellular adj organisms or shell adj architectures)and shell adj arcitectures and parameters	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 14:53
S129	0	S127 and(pre adj selecting or selecting)and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)and shell adj arcitectures and parameters	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 14:53
S130	1	S127 and(pre adj selecting or selecting)and(bio adj mineralized adj unicellular adj organisms or shell adj architectures)and parameters	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/01/25 14:54

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